



## EXPRESS MAIL CERTIFICATE

DOCKET NO. : 2809/1381 (PH-7222)  
APPLICANT : Beck et al.  
TITLE : NOVEL 4-PHENYL SUBSTITUTED  
TETRAHYDROISOQUINOLINES AND THERAPEUTIC USE  
THEREOF

Certificate is attached to the **Information Disclosure Statement (1 page)** and **Form PTO/SB/08A (3 pages)** of the above-named application.


“EXPRESS MAIL” NUMBER: EV685738144US

DATE OF DEPOSIT: November 17, 2005

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**Shawn Lockett**

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paper or fee)

  
(Signature of person mailing paper or fee)



PATENT  
Docket No.: 2809/1381

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants	: Beck et al.	)	Examiner:
Serial No.	: 09/902,845	)	Charanjit Aulakh
Cnfrm. No.	: 9511	)	Art Unit:
Filed	: July 11, 2001	)	1625
For	: NOVEL 4-PHENYL SUBSTITUTED TETRAHYDROISOQUINOLINES AND THERAPEUTIC USE THEREOF	)	

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§ 1.97-1.98

Mail Stop 313(c)  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

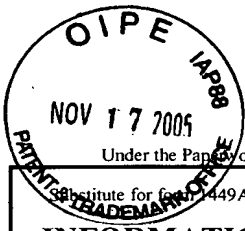
Pursuant to 37 CFR §§ 1.97-1.98, applicants hereby bring to the attention of the United States Patent and Trademark Office ("USPTO"), the references listed on the attached PTO-1449 form. Pursuant to a waiver by the USPTO, copies of the U.S. Patents are not enclosed.

Respectfully submitted,

Date: November 17, 2005

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Registration No. 30,727

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	09/902,845
				Filing Date	July 11, 2001
				First Named Inventor	James P. Beck
				Art Unit	1625
				Examiner Name	Charanjit Aulakh
Sheet	1	of	3	Attorney Docket Number	2809/1381 (PH-7222)

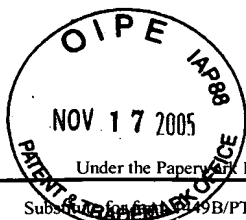
U.S. PATENT DOCUMENTS					
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	1	US-4,113,869	09-12-1978	Gardner	
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

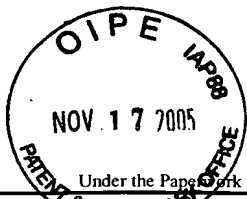
<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	09/902,845
		Filing Date	July 11, 2001
		First Named Inventor	James P. Beck
		Group Art Unit	1625
Examiner Name	Charanjit Aulakh	Attorney Docket Number	2809/1381 (PH-7222)
Sheet	2	3	
<b>OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	2	BANERJI et al., "Studies on Single-Electron Transfer Reagents. Part IV <sup>1a-c</sup> Reaction of Nitrogen Heterocycles with Sodium Naphthalenide," <i>Tetrahedron</i> 50(30):9079-9096 (1994)	
	3	BOBOWSKI & GOTTLIEB, "4-Substituted-1,2,3,4-tetrahydro-3,3-dimethylisoquinolines. II.," <i>J. Heterocyclic Chem.</i> 19(1):21-27 (1982)	
	4	BROWN & DYKE, "1,2-Dihydroisoquinolines-II Berbine Synthesis," <i>Tetrahedron</i> 22(8):2429-35 (1966)	
	5	BROWN & DYKE, "1,2-Dihydroisoquinolines-III Dimerization," <i>Tetrahedron</i> 22(8):2437-2443 (1966)	
	6	CHANDRASEKHAR et al., "Highly Efficient Synthesis of 3-alkyl/aryl-4-aryl-1,2,3,4-tetrahydroisoquinolines from <i>N,N</i> -dibenzylaminols," <i>Tetrahedron Lett.</i> 43(10):1885-1888 (2002)	
	7	GEORGIADIS et al., "Synthesis and Complexation Properties of a Water-Soluble Optically Active Cyclophane Incorporating a 4-Naphthyl-1,2,3,4-tetrahydroisoquinoline Unit as a Chiral Spacer," <i>J. Org. Chem.</i> 56(10):3362-3369 (1991)	
	8	KNABE & HERBORT, "Dehydrogenation of Tertiary Amines with Mercury-(II) Acetate in the Presence of EDTA. XIII. Oxidative Dimerization of 6,7-dimethoxy-2-methyl-1,1-diethyl-1,2,3,4-tetrahydroisoquinoline," <i>Archiv. der Pharmazie. und Berichte der Deutschen Pharmazeutischen Gesellschaft</i> 300(9):774-783 (1967)	
	9	KNABE & RENZ, "Synthesis of 3,4'-Biisoquinolines," <i>Archiv. der Pharmazie.</i> (Weinheim, Germany) 307(8):612-622 (1974)	
	10	SEEBACH et al., "Alkylation of Amino Acids without Loss of the Optical Activity: Preparation of $\alpha$ -Substituted Proline Derivatives. A Case of Self-Reproduction of Chirality," <i>J. American Chem. Soc.</i> 105(16):5390-5398 (1983)	
	11	SUGIURA & HAMADA, "Studies on Nitrogen-Containing Heterocyclic Compounds. XXXV. Syntheses and Reduction of 4-Amino-2-cyano-1,3-dimethoxy-1,2,3,4-tetrahydroisoquinolines," <i>Yakugaku Zasshi</i> 99(6):556-563 (1979)	
	12	SUGIURA et al., "Synthesis and Stereochemistry of 3,7-Diazatricyclo[4.2.2.2 <sup>2,5</sup> ]dodeca-9,11-dienes Derived By [4+4] Cyclodimerization of 2,3-Dihydroisoquinoline Derivatives," <i>Chem. Pharm. Bull.</i> 46(12):1862-1865 (1998)	
	13	UNO et al., "A Novel Method for the Synthesis of 4-Isoquinolinols," <i>J. Heterocyclic Chem.</i> 28(2):341-346 (1991)	
Examiner Signature	Date Considered		

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet	3	of	3	Attorney Docket Number	2809/1381 (PH-7222)
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Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
	14	CAS Number 53885-32-8			
	15	CAS Number 53885-23-7			
	16	BEILSTEIN NO. 455853 (CAS 71730-66-0)			
	17	BEILSTEIN NO. 4048047 (CAS 17074-38-3, 17074-39-4)			
	18	BEILSTEIN NO. 4102323 (CAS 53885-34-0)			
	19	BEILSTEIN NO. 4341479 (CAS 134021-24-2)			
	20	BEILSTEIN NO. 4494373 (CAS 82416-61-3)			
	21	BEILSTEIN NO. 4774688 (CAS 133160-36-8)			
	22	BEILSTEIN NO. 4787749 (CAS 133043-12-6, 133160-34-6, 133160-35-7)			
	23	BEILSTEIN NO. 4787750 (CAS 133043-12-6, 133160-34-6, 133160-35-7)			
	24	BEILSTEIN NO. 4787836 (CAS 133043-20-6, 133043-31-9)			
	25	BEILSTEIN NO. 4787837 (CAS 133043-20-6, 133043-31-9)			
	26	BEILSTEIN NO. 4788234 (CAS 133043-19-3, 133043-30-8)			
	27	BEILSTEIN NO. 4788235 (CAS 133043-19-3, 133043-30-8)			
	28	BEILSTEIN NO. 4789758 (CAS 133043-21-7, 133043-22-8)			
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